an imaging array sensor operable to sense light in a field of view forward of the motor vehicle; and

a control that is responsive to said imaging array sensor, said control being operable to identify at least one object of interest in the field of view by at least one of a spectral signature of the at least one object and a geometric organization of the at least one object, said control being operable to control a headlamp of the motor vehicle in response to an identification of said at least one object, said at least one object comprising at least one of a headlamp of at least one other vehicle approaching the motor vehicle, a taillight of at least one other vehicle being approached by the motor vehicle, a traffic sign, a lane marker and a traffic light.

55. The headlamp control system of claim 54, wherein said control is operable to identify at least one object of interest in the field of view by a spectral signature of the at least one object.

56. The headlamp control system of claim 55, wherein said control is operable to identify a traffic sign by a spectral signature of the traffic sign.

57. The headlamp control system of claim 54, wherein said control is operable to identify at least one object of interest in the field of view by a geometric organization of the at least one object.

58. The headlamp control system of claim 57, wherein said control is operable to identify a traffic sign by a geometric organization of the traffic sign.

59. The headlamp control system of claim 58, wherein said control is operable to identify a traffic sign by a spectral signature of the traffic sign.

60. The headlamp control system of claim 54, wherein said at least one object comprises a headlamp of at least one other vehicle approaching the motor vehicle.

61. The headlamp control system of claim 54, wherein said at least one object comprises a taillight of at least one other vehicle being approached by the motor vehicle.

62. The headlamp control system of claim 54, wherein said at least one object comprises a traffic sign.

63. The headlamp control system of claim 54, wherein said at least one object comprises a lane marker.

64. The headlamp control system of claim 54, wherein said at least one object comprises a traffic light.

65. The headlamp control system of claim 54, wherein said control is operable to determine a level of objects of interest sensed by said imaging array sensor in the field of view.

66. The headlamp control system of claim 65, wherein said control is operable to determine an environment in which the motor vehicle is operated in response to said level of objects of interest.

67. The headlamp control system of claim 66, wherein said control is operable to adjust a high beam activation threshold in response to said level of objects of interest, said high beam activation threshold being a threshold level at which said control activates a high beam of a headlamp of the motor vehicle in response to the presence of at least one of a headlamp of at least one other vehicle and a taillight of at least one other vehicle in the field of view.

68. The headlamp control system of claim 66, wherein said control is operable to determine a high activity condition in response to a threshold level of said level of objects of interest.

69. The headlamp control system of claim 68, wherein said control is operable to determine a low beam duration of time that a headlamp of the motor vehicle is in a low beam state.

70. The headlamp control system of claim 69, wherein said control is operable to adjust a headlamp of the motor vehicle between the low beam state and a high beam state in response to at least one of the high activity condition and the low beam duration of time.

71. The headlamp control system of claim 54, wherein said control is operable to identify at least one of a traffic sign, a lane marker and a traffic light by at least one of a spectral signature of the at least one of a traffic sign, a lane marker and a traffic light and a geometric organization of the at least one of a traffic sign, a lane marker and a traffic light.

72. A headlamp control system for a motor vehicle comprising:

an imaging array sensor operable to sense light in a field of view forward of the motor vehicle, said imaging array sensor being actuatable to sense light for a first exposure period and a second exposure period, said first exposure period being greater than said second exposure period; and

a control that is responsive to said imaging array sensor, said control identifying at least one of a headlamp of at least one other vehicle approaching the motor vehicle and a taillight of at least one other vehicle being approached by the motor vehicle in response to light sensed during at least one of said first and second exposure periods.

73. The headlamp control system of claim 72, wherein said control is operable to identify a headlamp of least one other vehicle in response to light sensed during said second exposure period.

74. The headlamp control system of claim 73, wherein said control is operable to identify a taillight of at least one other vehicle in response to light sensed during said first exposure period and not sensed during said second exposure period.

75. The headlamp control system of claim 72, wherein said first exposure period is at least approximately ten times greater than said second exposure period.

76. The headlamp control system of claim 72, wherein said first exposure period is at least approximately forty times greater than said second exposure period.

77. The headlamp control system of claim 72, wherein said second exposure period comprises approximately 0.0001 seconds.

78. The headlamp control system of claim 77, wherein said first exposure period comprises approximately 0.004 seconds.

79. The headlamp control system of claim 72, wherein said imaging array sensor is operable to be actuated for one of said first and second exposure periods in response to an identification of light in the field of view by said control.

80. The headlamp control system of claim 79, wherein said imaging array sensor is operable to be actuated for said second exposure period in response to said control identifying at least one headlamp of at least one other vehicle in the field of view.

81. The headlamp control system of claim 80, wherein said imaging array sensor is operable to be actuated for said first exposure period in response to said control not identifying at least one headlamp of at least one other vehicle in the field of view.

82. The headlamp control system of claim 72, wherein said control identifies a headlamp of at least one other vehicle approaching the motor vehicle in response to light sensed.

83. The headlamp control system of claim 72, wherein said control identifies a taillight of at least one other vehicle being approached by the motor vehicle in response to light sensed.